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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/667,233	•	09/22/2000	MASAO MURADE	106377	106377 1342	
25944	7590	03/26/2003				
OLIFF & BERRIDGE, PLC EXAMINER						
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				ART UNIT	PAPER NUMBER	
				2871		
				DATE MAILED: 03/26/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. If the period for reply periodic doctor is less than their of 3 CFR 1.18(6). In or event, however, may a neply to limit price of the communication. If the period for mely specified south ce lizes than their Quid pays, a neply within the datafory minimum, of theiry (3) days, will be conditioned integers and the communication. If the period carried by the Office lited and there more than the manufacture is lited, as the thing of the communication. If the period carried by the Office lited and there more than the manufacture is lited, as the the application to the communication and the process of the communication of the co				M
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Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Edenions of time may be available under the provisions of 32 CFR 1.13(6), is no event, however, may a reply be timely filed after SX (6) MONTHS from the mailing date of this communication. It No period for reply is specified above, the maximum additude period vallege publish the statistics year with the filed state (5) (6) MONTHS from the mailing date of this communication. If No period for reply is specified when the month additude period vallege publish the statistics year and the state of a change of the state of the communication. If No period for reply is specified with the mailing date of this communication, even if timely filed, may reduce any Status 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is private. 2c) This action is private. 2b) This action is private. 2c)	~ , Office Action Summary	Examiner	Art Unit	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extractions of time may be available under the provisions of 37 CPR 1.35(a). In no event, however, may a reply be timely filed - Extractions of times may be available under the provisions of 37 CPR 1.35(a). In no event, however, may a reply be timely filed - If No period for reply is specified above, the maximum statutory period vill apply and the provision of the provision of the second part	· · · · · · · · · · · · · · · · · · ·			
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2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-33 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-33 are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved by disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some *c) None of: 1. Certified copies of the priority documents have been received in Application No. application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 120 and/or 121. Attachment(s)	A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication (35 U.S.C. § 133).	ation.
3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4 Claim(s)	1) Responsive to communication(s) filed on	<u> </u>		
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Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)		• •		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal		

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Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-31, drawn to an electro-optical device, classified in class 349, subclass123.

II. Claims 32-33, drawn to a method of manufacturing an electro-optical device, classified in class 349, subclass 187.

2. The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the product as claimed in Group I can be made by another and materially different process other than the process as claimed in Group II.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

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4. If Group I is elected above, a further election of the following patentably distinct species of the claimed invention is required:

- (Ia) the specifics of the device being comprised of: a step portion, formed on a surface of at least one of the first alignment layer and the second alignment layer, and downwardly rubbed in a direction of the rubbing process, and a light-shielding layer formed in an area facing the step portion that is downwardly rubbed in the direction of the rubbing process, and formed on at least one of the first substrate and the second substrate (claims 1-12); *or*
- (Ib) the specifics of the device being comprised of :a portion of the liquid crystal having a reverse tilt angle, and formed on a surface of at least one of the first alignment layer and a second alignment layer, and a light-shielding layer formed in an area facing the portion of the liquid crystal having the reverse tilt angle, and formed on at least one of the first substrate and the second substrate (claim 13); *or*
- (Ic) the specifics of the device being comprised of: a step portion, formed on a surface of the first alignment layer in an area corresponding to a spacing between pixel electrodes on the first substrate, and downwardly rubbed in a direction of the rubbing process, and a light-shielding layer formed in an area facing the step portion that is downwardly rubbed in the direction of the rubbing process, on at least one of the first substrate and the second substrate (claims 14-15); *or*
- (Id) the specifics of the device being comprised of: a light-shielding layer formed at least on one of the first substrate and the second substrate and defining a pixel area, and a step portion having an upwardly rubbed portion in a direction of the rubbing process, the upwardly rubbed

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portion being formed in a vicinity of an area facing the light-shielding layer on a surface of the first alignment layer on the first substrate (claims 16-21); or

- (Ie) the specifics of the device being comprised of : a groove formed in the first substrate, a line arranged along the groove, a step portion formed on a surface of the first alignment layer in an area of the groove, and a light-shielding layer formed in an area facing the step portion that is downwardly rubbed, at least on one of the first substrate and the second substrate, a direction of the rubbing process of the first substrate being aligned in a downwardly rubbing direction to the step portion (claims 22-23); or
- (If) the specifics of the device being comprised of: a projection formed on a surface of an alignment layer of the first substrate in an area corresponding to a spacing between adjacent pixel electrodes that are driven in mutually different polarities, the projection comprising a downwardly rubbed portion in a direction of the rubbing process of the first substrate, and a light-shielding layer formed in an area facing the downwardly rubbed portion, on at least one of the first substrate and the second substrate (claims 24-27); *or*
- (Ig) the specifics of the device being comprised of: a step portion formed on a surface of the alignment layer in an area corresponding to a spacing between the pixel electrodes, and upwardly rubbed in a direction of the rubbing process (claims 28-31).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there is no generic claim.

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Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan Ton whose telephone number is (703) 305-3489. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308 0956.

March 24, 2003

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